

## Batch Schedule & Stream Mapping Matrix

Meander Software Pvt. Ltd. structures all industrial operations into high-impact framework—tracks natively mapped against academic cohorts. Universal program launch schedules sync cleanly across all delivery options:

**Universal Program Launch Date:** 10th June 2026

### TECHNICAL STREAM (BCA / B.SC. / B.VOC.)

Assigned Core Framework  
Syllabus Execution Format

**120 Hours Total Duration**  
**6 Weeks Standard (4 Hours / Day)**

### COMMERCIAL STREAM (B.A. / B.COM. / BBA)

Assigned Core Framework  
Syllabus Execution Format

**60 Hours Total Duration**  
**6 Weeks Extended (2 Hours / Day)**

### COMMERCIAL STREAM B.A. / B.COM. / BBA(ACCELERATED TRACK)

Assigned Core Framework  
Syllabus Execution Format

**60 Hours Total Duration**  
**3 Weeks Intensive (4 Hours / Day)**

## Curriculum Offerings Directory

All laboratory training options are strictly partitioned according to academic targets and format limits to arrange staging environments cleanly:

Course Specialization Track Title	Operational Format	Allotted Stream Target
1. MERN Stack Web Development	<b>CODING</b>	BCA, B.Sc., B.Voc (120 Hrs)
2. Full Stack Python with Django	<b>CODING</b>	BCA, B.Sc., B.Voc (120 Hrs)
3. Generative Data Science & AI	<b>CODING</b>	BCA, B.Sc., B.Voc (120 Hrs)
4. Cross-Platform Mobile Apps (Flutter)	<b>CODING</b>	BCA, B.Sc., B.Voc (120 Hrs)
5. Cloud Computing & DevOps Engineering	<b>CODING</b>	BCA, B.Sc., B.Voc (120 Hrs)
6. Python + Flask Web Architecture	<b>CODING</b>	BCA, B.Sc., B.Voc (120 Hrs)
7. Python + Machine Learning / Deep Learning	<b>CODING</b>	BCA, B.Sc., B.Voc (120 Hrs)
8. Software Testing & Quality Assurance (QA)	<b>NON- CODING</b>	B.A., B.Com., BBA (60 Hrs)
9. Advanced Digital Marketing + GEO Analytics	<b>NON- CODING</b>	B.A., B.Com., BBA (60 Hrs)
10. Human Resource (HR) Operations	<b>NON- CODING</b>	B.A., B.Com., BBA (60 Hrs)
11. Project Management Enterprise Track	<b>NON- CODING</b>	B.A., B.Com., BBA (60 Hrs)

# **SECTION A: 120-HOUR CORE COMPUTER SCIENCE /ENGINEERING TRACKS**

Targeted Training, Mapped Natively for BCA, B.Sc.Computer Science, and  
B.Voc. IT Programs

# 1. MERN Stack Web Development (Coding - 120 Hours)

Week	Core Technical Subtopics	Project Deliverables & Milestones
Week 1	HTML5 semantical elements, grid architectures, CSS layouts.	Responsive Corporate Layout Framework
Week 2	ES6 syntax structures, variable encapsulation, Promises routines.	Interactive Dashboard Application Interface
Week 3	React.js state routers, context state engines, component lifecycle hooks.	Dynamic State Task Scheduler Build
Week 4	Node.js asynchronous environments, Express.js custom middleware.	Secure Production RESTful Web API
Week 5	MongoDB collection indexes pipelines, Mongoose schema structures validation.	High-Scale Non-Relational Data Store
Week 6	JWT data payload hashing authentication, AWS cloud hosting environments setup.	Live Production Full-Stack Application URL

## OUR PROGRAM HIGHLIGHTS & INCLUDED BENEFITS:

- Industry Training Sessions**  
 Expert-led architectural scalability code tracking modules reviews.
- Certifications**  
 Official enterprise-backed verification credentials of engineering scope.
- LMS Access**  
 24/7 unlimited access to reference code sandboxes and repositories.
- ERP Access to Manage Training Program**  
 Direct scheduling logs to monitor milestone approvals and progress charts.
- Live Project Work**  
 Handling deployment tasks over authentic active production application codebases.
- Practical Assignments**  
 Daily real-world challenge parameters modeling real corporate metrics.
- Placement Opportunity through Build with Meander**  
 Immediate mapping filters to pass top software house technical hiring bars.

## 2. Full Stack Python with Django (Coding - 120 Hours)

Week	Core Technical Subtopics	Project Deliverables & Milestones
Week 1	Python compiler data typing patterns, conditional scopes execution pipelines.	Command-Line Interface Logs Parser
Week 2	Object-oriented structural configurations (Inheritance models, abstractions interfaces).	OOP Business Rules Engine Component
Week 3	Django MVT logic mapping, workspace scaffolding parameters settings.	Dynamic Relational Article Blog Core
Week 4	MySQL infrastructure tables connections, query mapping via Django ORM syntax.	Database-Driven Live Ledger Tracker
Week 5	Form validation pipelines security setups, cookies filters authentication.	Secure Corporate Portal with Login Controls
Week 6	API serializers optimization patterns, continuous cloud app staging setups.	Enterprise Web Product Build URL

### OUR PROGRAM HIGHLIGHTS & INCLUDED BENEFITS:

- Industry Training Sessions**  
 Backend optimization routines and query engineering blocks setups.
- Certifications**  
 Official enterprise-backed verification credentials of engineering scope.
- LMS Access**  
 24/7 unlimited access to reference code sandboxes and repositories.
- ERP Access to Manage Training Program**  
 Direct scheduling logs to monitor milestone approvals and progress charts.
- Live Project Work**  
 Handling deployment tasks over authentic active production application codebases.
- Practical Assignments**  
 Daily real-world challenge parameters modeling real corporate metrics.
- Placement Opportunity through Build with Meander**  
 Immediate mapping filters to pass top software house technical hiring bars.

### 3. Generative Data Science & AI (Coding - 120 Hours)

Week	Core Technical Subtopics	Project Deliverables & Milestones
Week 1	NumPy calculation frameworks, array indexing, data frame shapes using Pandas.	Exploratory Data Isolation Pipeline Scripts
Week 2	Null entries elimination algorithms, statistical plots visualization arrays setups.	Analytical Insights Presentation Component
Week 3	Scikit-learn environments splitting techniques, multi-variable linear regressions math models.	Predictive Pricing Estimation Utility Engine
Week 4	Feature metrics encoding models, random forest nodes evaluation checks parameters.	Target Customer Churn Diagnostics Tracker
Week 5	FAISS vector stores orchestration logic, custom retrieval-augmented generation app loops.	Contextual Knowledge Base Interface Core
Week 6	Transformer model integration, dataset serialization loops.	AI Document Summarizer Suite

#### OUR PROGRAM HIGHLIGHTS & INCLUDED BENEFITS:

- Industry Training Sessions**  
Vector math transformations and multi-dimensional matrices manipulation frameworks.
- Certifications**  
Official enterprise-backed verification credentials of engineering scope.
- LMS Access**  
24/7 unlimited access to reference code sandboxes and repositories.
- ERP Access to Manage Training Program**  
Direct scheduling logs to monitor milestone approvals and progress charts.
- Live Project Work**  
Handling deployment tasks over authentic active production application codebases.
- Practical Assignments**  
Daily real-world challenge parameters modeling real corporate metrics.
- Placement Opportunity through Build with Meander**  
Immediate mapping filters to pass top software house technical hiring bars.

## 4. Cross-Platform Mobile Apps (Flutter) (Coding - 120 Hours)

Week	Core Technical Subtopics	Project Deliverables & Milestones
Week 1	Dart type systems compilation rules, asynchronous event engines runtime loops setup.	Command-Line Interface Calculation Logic Shell
Week 2	Widget tree components layouts, Stateless/Stateful layout wrapper elements setups.	Responsive Profile UI Card View Shell
Week 3	Dynamic multi-screen arguments routing pipelines, forms validation parameters checking.	Multi-Page Marketplace Layout Wireframe Kit
Week 4	Provider state monitoring engine workflows package integrations implementation.	Reactive Shopping Cart Interface Utility
Week 5	Asynchronous REST API dataset mapping handlers, JSON collection objects arrays parsing.	Asynchronous Live News Data Feed Client
Week 6	SQLite internal data store setups, release key cryptographic signatures generation pipelines.	Signed Production APK Delivery Build Bundle

### OUR PROGRAM HIGHLIGHTS & INCLUDED BENEFITS:

- Industry Training Sessions**  
High-performance layout constraints and native application compilation layers.
- Certifications**  
Official enterprise-backed verification credentials of engineering scope.
- LMS Access**  
24/7 unlimited access to reference code sandboxes and repositories.
- ERP Access to Manage Training Program**  
Direct scheduling logs to monitor milestone approvals and progress charts.
- Live Project Work**  
Handling deployment tasks over authentic active production application codebases.
- Practical Assignments**  
Daily real-world challenge parameters modeling real corporate metrics.
- Placement Opportunity through Build with Meander**  
Immediate mapping filters to pass top software house technical hiring bars.

## 5. Cloud Computing & DevOps Engineering (Coding - 120 Hours)

Week	Core Technical Subtopics	Project Deliverables & Milestones
Week 1	Linux administrative permission schemas, server terminal access profiles configs.	Secure Static HTTP Server Setup Config
Week 2	Git remote team branching methodologies, automated GitHub Actions workflow syntax.	Automated Code Analysis CI Test Pipeline
Week 3	Dockerfile multi-stage building rules, isolated environment containerization workflows.	Dockerized Monolith App Package Layer
Week 4	Kubernetes cluster orchestrations logic, active pod data volumes layouts.	Orchestrated Microservices System Network
Week 5	AWS system ec2 assets provisioning through Terraform scripts.	Infrastructure Provisioning Code Blueprint
Week 6	Prometheus instrumentation setups, Grafana log trackers charts.	Production DevOps Infrastructure Pipeline

### OUR PROGRAM HIGHLIGHTS & CORE BENEFITS:

- Industry Training Sessions**  
High-scale automated provisioning systems workflows design.
- Certifications**  
Official enterprise-backed technology stack validation.
- LMS Access**  
24/7 access to tracking code repositories.
- ERP Access to Manage Training Program**  
Direct scheduling logs to monitor your milestone approvals and progress charts.
- Live Project Work**  
Functional modules deployed over corporate environments.
- Practical Assignments**  
Real-world algorithmic simulation problems daily.
- Placement Opportunity through Build with Meander**  
Priority access to tech roles.

## 6. Python + Flask Web Architecture (Coding - 120 Hours)

Week	Core Technical Subtopics	Project Deliverables & Milestones
Week 1	Python fundamentals evaluation parameters checking, terminal loops logic blocks mapping.	CLI Guessing Application Prototype Logic
Week 2	Advanced script layouts data collections processing, exception handlers definitions routines.	Local File Storage System Management Core
Week 3	Object-oriented engineering templates implementations, active database connection patterns setups.	Database-Linked OOP CRUD Subsystem Assembly
Week 4	Flask engine server router instantiation rules, Jinja visual dynamic variable layers templates compiling.	Dynamic Multi-page Server Rendering Application View
Week 5	SQLAlchemy data models layout configuration, tracking secure user session cookie blocks filters.	Secure Login Authentication Service API Route
Week 6	Template layouts structuring, full testing frameworks, deployment basics.	Deployed Full-stack Flask Web Build

### OUR PROGRAM HIGHLIGHTS & CORE BENEFITS:

- **Industry Training Sessions**  
 High-performance distributed backend  
 microservices routing architecture structures.
- **Certifications**  
 Official enterprise-backed technology stack  
 validation.
- **LMS Access**  
 24/7 access to tracking code repositories.
- **ERP Access to Manage Training Program**  
 Centralized dashboard for schedules.
- **Live Project Work**  
 Functional modules deployed over corporate  
 environments.
- **Practical Assignments**  
 Real-world algorithmic simulation problems  
 daily.
- **Placement Opportunity through Build with Meander**  
 Priority access to tech roles.

## 7. Python + Machine Learning / Deep Learning (Coding - 120 Hours)

Week	Core Technical Subtopics	Project Deliverables & Milestones
Week 1	NumPy numerical calculation operations, Pandas datasets parsing workflows management logic.	Exploratory Data Analysis Statistical Review Deck
Week 2	Data plots visualization charts arrays configurations, statistical boundary modeling analytics checks.	Cleaned Dataset Feature Extraction Portfolio Profile
Week 3	Supervised machine learning algorithms setups, Linear and Polynomial regressions mathematical equations models.	Predictive Value Estimation Architecture Build
Week 4	Classification model matrices tuning loops, Logistic regression mapping parameters setups, k-NN data splits tracking.	Churn Diagnostic Verification Log Engine Target
Week 5	Feature selection methods deployment steps, categorical variable encoding patterns pipelines, Random Forest ensembles configurations.	Algorithmic Model Accuracy Tuning Execution Project
Week 6	Basic Deep Learning nodes intro, NLP preprocessing, TF-IDF sentiment loops.	Live Sentiment Extraction Subsystem Build

### OUR PROGRAM HIGHLIGHTS & CORE BENEFITS:

- **Industry Training Sessions**  
 Predictive analytics modeling filters and dataset transformations execution.
- **Certifications**  
 Official enterprise-backed verification credentials of engineering scope.
- **LMS Access**  
 24/7 unlimited access to reference code sandboxes and repositories.
- **ERP Access to Manage Training Program**  
 Direct scheduling logs to monitor your milestone approvals and progress charts.
- **Live Project Work**  
 Handling deployment tasks over authentic active production application codebases.
- **Practical Assignments**  
 Daily real-world challenge parameters modeling real corporate metrics.
- **Placement Opportunity through Build with Meander**  
 Immediate mapping filters to pass top software house technical hiring bars.

## **SECTION B: 60-HOUR APPLIED COMMERCIAL TRACKS**

The curriculum mentioned below will be covered in 6 weeks or 3 weeks, as per the stream chosen by the student.

Targeted Projects & Applications Mapped Natively for B.A., B.Com., and BBA Programs

## 8. Software Testing & Quality Assurance (QA) (Non-Coding - 60 Hours)

Week	Core Operational Subtopics	Project Deliverables & Milestones
Week 1	Software Development Life Cycle (SDLC) verification models comparison tracks, manual product evaluation standards.	Product High-Level Feature Audit Mapping Sheet
Week 2	Equivalence partitioning boundaries logic maps, valid/invalid data entry sets design frameworks.	Functional System Test Case Specification Deck
Week 3	Master corporate test plan structural drafting workflows, Requirement Traceability Matrices compiling.	Comprehensive RTM Validation Specification Layout
Week 4	Defect severity definitions, bug lifecycle logging configurations pipelines tracking rules inside JIRA interfaces boards.	Live Operational JIRA Bug Tracking Sprint Board
Week 5	Regression tracking routines validation protocols, smoke check testing automation templates scripts, endpoint validations inside Postman tools.	Postman RESTful Endpoint Target Test Suite Portfolio
Week 6	Agile Scrum framework routines management tracks, daily developer sprint updates coordination, final bug closures checks metrics logs.	Final Technical Product Quality Compliance Audit Report

### OUR PROGRAM HIGHLIGHTS & CORE BENEFITS:

- Industry Training Sessions**  
 Product release verification models and technical auditing roadmaps blueprints.
- Certifications**  
 Official enterprise-backed technical capability validation.
- LMS Access**  
 24/7 digital access to system compliance reference templates.
- ERP Access to Manage Training Program**  
 Centralized pipeline tracking sheet access to monitor sprint milestones.
- Live Project Work**  
 Defect logging and prioritization tasks conducted over working functional apps.
- Practical Assignments**  
 Daily real-world operational challenges mapping business use cases.
- Placement Opportunity through Build with Meander**  
 Direct portfolio matching lines inside software validation complexes.

## 9. Advanced Digital Marketing + GEO (Non-Coding - 60 Hours)

Week	Core Operational Subtopics	Project Deliverables & Milestones
Week 1	Brand marketing funnel models creation guidelines, Google Analytics and Search Console platform tracking assets setup configurations.	Conversion Funnel Architecture Mapping Layout
Week 2	Semantic index optimization patterns execution, website metadata heading hierarchy structures, technical site keyword parsing.	On-Page Brand Properties Technical SEO Audit Portfolio
Week 3	Social media platform marketing (SMM) target ad groups setup configurations rules, campaign budget optimization matrices tracking lines.	Performance Campaign Schedule Matrix
Week 4	Traffic behavior mapping analytics dashboards checks, conversion rate optimization (CRO) setups tracking loops, UTM parameter segmentations.	Web Traffic Performance Insights Strategy Deck
Week 5	Generative Engine Optimization (GEO) structural mechanics parameters, content visibility optimizations inside ChatGPT.	Generative AI Discovery Search Engine Visibility Campaign
Week 6	Omni-channel marketing strategy pipelines management tracking, critical key performance indicators (KPIs) dashboard engineering builds.	Live Omni-Channel Market Strategy Launch Portfolio

### OUR PROGRAM HIGHLIGHTS & CORE BENEFITS:

- Industry Training Sessions**  
GEO content visibility schemas and behavioral tracking algorithms monitoring.
- Live Project Work**  
Configuring ad-group metrics models inside operational growth campaigns.
- Certifications**  
Official enterprise-backed technical capability validation.
- Practical Assignments**  
Daily real-world operational challenges mapping business use cases.
- LMS Access**  
24/7 digital access to system compliance reference templates.
- Placement Opportunity through Build with Meander**  
Direct portfolio matching lines inside software validation complexes.
- ERP Access to Manage Training Program**  
Centralized pipeline tracking sheet access to monitor sprint milestones.

## 10. Human Resource (HR) Operations (Non-Coding - 60 Hours)

Week	Core Operational Subtopics	Project Deliverables & Milestones
Week 1	Corporate communication escalation paths, team structure modeling profiles, mapping professional employee engagement patterns workflows.	Enterprise Matrix Organizational Chart Design Map
Week 2	Job roles description specifications layouts blueprints, talent profiling methods, workforce resource planning pipeline tracking lines.	Technical Position Core Requirement Specification Document
Week 3	Candidate source pipelines channels tracking, job portals post optimizations guidelines layout templates, interview evaluation templates configurations.	Sourcing Campaign Architecture & Selection Strategy Manual
Week 4	Resume parsing algorithms configurations rules, profile indexing parameters metrics setups, corporate talent onboarding workflows architecture designs.	Trainee Onboarding Experience Lifecycle Engineering Blueprint
Week 5	Performance calibration parameters logging dashboards, employee compensation structure calculation formulas pipelines, monthly payroll logistics architecture maps.	Corporate Salary Component Structural Optimization Calculator
Week 6	Corporate governance policies formulations models, workspace dispute resolution steps layout checklists, labor laws industrial compliance metrics validation.	Operational Corporate HR Policy Manual Blueprint Portfolio

### OUR PROGRAM HIGHLIGHTS & CORE BENEFITS:

- **Industry Training Sessions**  
 Corporate resource management analytics and talent logging pipeline steps templates.
- **Certifications**  
 Official enterprise-backed technical capability validation.
- **LMS Access**  
 24/7 digital access to system compliance reference templates.
- **ERP Access to Manage Training Program**
- **Live Project Work**  
 Mapping salary structures variables using real corporate logistical platforms.
- **Practical Assignments**  
 Daily real-world operational challenges mapping business use cases.
- **Placement Opportunity through Build with Meander**  
 Direct portfolio matching lines inside software validation complexes.

## 11. Project Management Enterprise Track (Non-Coding - 60 Hours)

Week	Core Operational Subtopics	Project Deliverables & Milestones
Week 1	Project lifecycle execution constraints, scope boundary settings rules setups, managing initial project parameters definitions.	Project Inception Charter Specification Document
Week 2	Work Breakdown Structure (WBS) creation metrics logs, critical task dependency chains charting pipelines, milestone deadlines tracking dashboards.	Project Gantt Timeline Constraint Optimization Blueprint
Week 3	Agile project delivery values parameters setups, Scrum ritual management guidelines layout, tracking active software development team backlogs lines.	Scrum Product Backlog & Sprint Velocity Document Log
Week 4	Cross-functional team capacity audits metrics, operational resource allocation templates dashboards configs, risk matrix logging catalogs checking loops.	Operational Project Risk Catalog
Week 5	Trainee productivity velocity logging metrics checks parameters, target tracking checking routines updates configurations pipelines.	Sprint Performance Velocity Technical Review Presentation
Week 6	Project deployment handoff channels designs, complete operations technical report files compilations loops, closing client feedback metrics validation check.	Enterprise Final Project Delivery Documentation Deck Build

### OUR PROGRAM HIGHLIGHTS & INCLUDED BENEFITS:

- **Industry Training Sessions**

Agile sprint management rituals and developer tracking metrics loops models.

- **Certifications & LMS Access**

Enterprise-backed credentials with 24/7 digital material repositories access.

- **ERP Access to Manage Training Program**

Unified platform tool to monitor sprint tasks velocity profiles and milestones feedback.

- **Live Project Work**

Tracking real team backlogs and resource capacity configurations blueprints.

- **Practical Assignments**

Daily real-world operational challenges mapping business use cases.

- **Placement Opportunity through Build with Meander**

Direct portfolio matching lines inside software validation complexes.



- Website: [meander.software](https://meander.software)
  - Email: [hi@meander.software](mailto:hi@meander.software)
  - Whatsapp No : +91-80-9042-9042
  - Address: Tdi Business Centre, 18 - 11th, Sector 118, SAS Nagar, Punjab 140307
-